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Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known	
Application Number	10/091177
Filing Date	March 4, 2002
First Named Inventor	Jon H. Come
Art Unit	1636
Examiner Name	Jennifer Ann Dunston
Attorney Docket Number	DFMP-P01-018

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
JD	AA	US-20020173474-A1	11-21-2002	Schreiber et al.	
	AB	US-5,629,157	05-13-1997	Goodman et al.	
	AC	US-5,672,508	09-30-1997	Gyuris et al.	
	AD	US-5,834,266	11-10-1998	Crabtree et al.	
	AE	US-5,846,722	12-08-1998	Kauvar et al.	
	AF	US-5,871,753	02-16-1999	Crabtree et al.	
	AG	US-5,994,313	11-30-1999	Crabtree et al.	
	AH	US-6,011,018	01-04-2000	Crabtree et al.	
	AI	US-6,015,709	01-18-2000	Natesan	
	AJ	US-6,043,082	03-28-2000	Crabtree et al.	
	AK	US-6,046,047	04-04-2000	Crabtree et al.	
	AL	US-6,063,625	05-16-2000	Crabtree et al.	
	AM	US-6,117,680	09-12-2000	Natesan et al.	
	AN	US-6,133,456	10-17-2000	Holt et al.	
	AO	US-6,140,120	10-31-2000	Crabtree et al.	
	AP	US-6,150,527	11-21-2000	Holt et al.	
	AQ	US-6,316,418	11-13-2001	Crabtree et al.	
	AR	US-6,479,653	11-12-2002	Natesan et al.	
	AS	US-6,891,021-A1	05-10-2005	Crabtree et al.	
JD	AT	US-20020004202-A1	01-10-2002	Cornish	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
JD	BA	WO-00/01417	01-13-2000	Cyclacel Limited		
JD	~~BB~~	~~WO-00/07018~~	~~02-10-2000~~	~~Curagen Corporation~~		
JD	BC	WO-03/033499	04-24-2003	GPC Biotech Inc.		
JD	BD	WO-98/16835	04-23-1998	Terrapin Technologies, Inc.		
JD	BE	WO-99/10510	03-04-1999	Ariad Gene Therapeutics, Inc.		

Duplicate citation

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
JD	CA	~~AMARA, J.F., et al., "A versatile synthetic dimerizer for the regulation of protein-protein interactions." PNAS 94: 10618-10623 (1997)~~	
JD	CB	BAKER, K., et al., "Chemical complementation: A reaction-independent genetic assay for enzyme catalysis." PNAS 99(26): 16537-16543 (2002)	

Duplicate citation

Examiner Signature	Jennifer Dunston	Date Considered	12/19/2005

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 2

Complete If Known	
Application Number	10/091177
Filing Date	March 4, 2002
First Named Inventor	Jon H. Come
Art Unit	1636
Examiner Name	Jennifer Ann Dunston
Attorney Docket Number	DFMP-P01-018

	CC	BERTOZZI, C.R., et al., "The Synthesis of Heterobifunctional Linkers for the Conjugation of Ligands to Molecular Probes." J. Org. Chem. 56: 4326-4329 (1991)	
	CD	GRIFFITH, E.C., et al., "Yeast Three-Hybrid System for Detecting Ligand-Receptor Interactions." Methods in Enzymology 328: 89-103 (2000).	
	CE	HENTHORN, D.C., et al., "A GAL4-based yeast three-hybrid system for the identification of small molecule-target protein interactions." Biochemical Pharmacology 63: 1619-1628 (2002)	
	CF	MACBEATH, G., et al., "Printing Proteins as Microarrays for High-Throughput Function Determination." Science 289: 1760-1763 (2000)	
	CG	SPENCER, D.M., et al., "Controlling Signal Transduction with Synthetic Ligands." Science 262: 1019-1024 (1993)	
	CH	STECHER, P.G., et al., The Merck Index, Seventh Edition, pgs. 180, 430, 677 (1960)	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1]Applicant's unique citation designation number (optional). [2]Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	Jennifer Dunston	Date Considered	12/19/2005

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Electronic Information Disclosure Statement

OIPE JC119
APR 23 2003
PATENT & TRADEMARK OFFICE

Three hybrid assay system.

Application: 10/091177

Confirmation: 9956

Applicant(s): Jon Come

Docket Number: GPCG-P01-018

Group Art Unit: ~~1645~~ 1636

Examiner: Jennifer Dunston

search string: (5468614 or 5503977 or 5525465 or 5585245 or 5714595 or 5830462 or 5846728 or 5869337 or 5955280 or 5965368 or 6054436 or 6165787 or 6172208 or 6270964 or 6326155).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
JD	P01	5468614	1995-11-21		Fields et al.		
	P02	5503977	1996-04-02		Johnsson et al.		
	P03	5525465	1996-06-11		Haralambidis et al.		
	P04	5585245	1996-12-17		Johnsson et al.		
	P05	5714595	1998-02-03		Mak et al.		
	P06	5830462	1998-11-03		Crabtree et al.		
	P07	5846728	1998-12-08		Haralambidis et al.		
JD	P08	5869337	1999-02-09		Crabtree et al.		

Jennifer Dunston 12/19/2005

	P09	5955280	1999-09-21		Vidal et al.	
	P10	5965368	1999-10-21		Vidal et al.	
	P11	6054436	2000-04-25		Crabtree et al.	
	P12	6165787	2000-12-26		Crabtree et al.	
	P13	6172208	2001-01-09		Cook	
	P14	6270964	2001-08-07		Michnick et al.	
	P15	6326155	2001-12-04		Maclennan et al.	

Remarks

(Remarks are not for responding to an office action.)

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the above listed references. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned. While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such. In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. Applicants further reserve the right to take appropriate action to establish the patentability over the listed documents should one or more of the documents be considered against the claims of the present application. The Commissioner is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 18-1945, under Order No. GPCG-P01-018.

Signature

Examiner Name	Date
Jennifer Dusser	12-19-2005

Form PTO/SB/08

INFORMATION DISCLOSURE CITATION IN AN APPLICATION
(Use several sheets if necessary)

APR 28 2003 PATENT & TRADEMARK OFFICE

Docket Number (Optional) GPCG-P01-018	Application Number 10/091,177
Applicant Come et al.	
Filing Date March 4, 2002	Group Art Unit 1645

U.S. PATENT DOCUMENTS

INITIAL	DOCUMENT NUMBER		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER		DATE	COUNTRY	CLASS	SUBCLASS	Translation YES	Translation NO
GD ✓	AA	EP 0646644	4/5/95	EPO				
GD ✓	AB	WO 94/18317	8/18/94	WIPO				
GD ✓	AC	WO 96/02561	2/1/96	WIPO				
GD ✓	AD	WO 96/06097	2/29/96	WIPO				
GD ✓	AE	WO 96/13613	5/9/96	WIPO				
GD ✓	AF	WO 97/41255	11/6/97	WIPO				
GD ✓	AG	WO 98/07845	2/26/98	WIPO				
GD ✓	AH	WO 98/25947	6/18/98	WIPO				
GD ✓	AI	WO 01/53355	7/26/01	WIPO				
GD ✓	AJ	WO 02/12902	2/14/02	WIPO				
GD ✓	AK	WO 02/059272	8/1/02	WIPO				

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GD ✓	AM	Baker, R.T. et al. Ubiquitin-specific Proteases of Saccharomyces cerevisiae. J. Biol. Chem. 267, 23364-23375 (1992).
GD ✓	AN	Baker, R.T. & Varshavsky, A. Yeast N-terminal Amidase. J. Biol. Chem. 270, 12065-12074 (1995).
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Jennifer Dawson 12/19/2005

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Form PTO/SB/08 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket Number (Optional) GPCG-P01-018	Application Number 10/091,177
	Applicant Come et al.	
	Filing Date March 4, 2002	Group Art Unit ~~1645~~ 1636

OIPE JC1396 APR 28 2003 PATENT & TRADEMARK OFFICE

✓	AS	Fields, S. & Song, O. A novel genetic system to detect protein-protein interactions. Nature 340, 245-246 (1989).
	AT ✓	Gyuris, J. et al. Cdi1, a Human G1 and S Phase Protein Phosphatase that Associates with Cdk2. Cell 75, 791-803 (1993).
✓	AU	Johnsson, N. & Varshavsky, A. Split ubiquitin as a sensor of protein interactions in vivo. PNAS 91, 10340-10344 (October 1994).
✓	AV	Kwon, Y.T, et al. The mouse and human genes encoding the recognition component of the N-end rule pathway. PNAS 95, 7898-7903 (July 1998).
✓	AW	Laser, H. et al. A new screen for protein interactions reveals that the Saccharomyces cerevisiae high mobility group proteins Nhp6A/B are involved in the regulation of the GAL1 promoter. PNAS 97, 13732-13737 (5 Dec. 2000).
✓	AX	~~Lioitra, et al. 'A three-hybrid system for detecting small ligand-protein receptor interactions. PNAS 93, 12817-12821~~ (Nov. 1996). Duplicate Citation
✓	AY	~~Lin et al. J. Am. Chem. Soc. 122, 4247-4248 (2000).~~ Duplicate Citation
✓	AZ	Ozkaynak, E. et al. The yeast ubiquitin genes: a family of natural gene fusions. EMBO J. 6, 1429 (1987).
✓	BA	Reichel, C. et al. Enhanced green fluorescence by the expression of an Aequorea Victoria green fluorescent protein mutant in mono- and dicotyledonous plant cells. PNAS 93. 5888-5893 (June 1996).
✓	BB	Stagljar, I. et al. A genetic system based on split-ubiquitin for the analysis of interactions between membrane proteins in vivo. PNAS 95, 5187-5192 (April 1998).
✓	BC	Tobias, J.W. & Varshavsky, A. Cloning and Functional Analysis of the Ubiquitin-specific Protease Gene UBP1 of Saccharomyces cerevisiae. J. Biol. Chem. 266, 12021-12028 (1991).
✓	BD	Varshavsky, A. The N-End Rule. Cell 725-735 (1992).
✓	BE	Yang, M. et al. Protein-peptide interactions analyzed with the yeast two-hybrid system. Nucleic Acid Res. 23, 1152-1156 (1995).
✓	BF	Zhu, L. & Hannon, G.J., eds. Yeast hybrid technologies. Biotechniques Press, Westborough, MA (2000). Table of Contents and Preface only

EXAMINER	DATE CONSIDERED
Jennifer Dunston	12/19/2005

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